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**SCREENING SITE INSPECTION REPORT
DALTON FOUNDRIES INC.
WARSAW, INDIANA**

May 1994

Prepared for:

U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

Prepared by

Roy F. Weston, Inc.
Three Hawthorn Parkway
Vernon Hills, Illinois 60061

This document was prepared in accordance with U.S. EPA Contract No. 68-W8-0089, WESTON Region V Alternative Remedial Contracting Strategy (ARCS).

Work Assignment No.: 45-5JZZ/SSI

Document Control No.: 4500-45-AIVG

**SCREENING SITE INSPECTION REPORT
DALTON FOUNDRIES INC (IND005146022)
WARSAW, INDIANA**

Roy F. Weston, Inc. (WESTON®) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Dalton Foundries Inc (Dalton) site under Contract Number 68-W8-0089 and work assignment number 48-5JZZ.

The site was initially evaluated in the form of a Preliminary Assessment (PA) that was submitted to the U.S. EPA. The PA was prepared by Mary Anne Hunter of the Indiana Department of Environment Management (IDEM) on 8 June 1988 (Attachment 1). No reconnaissance inspection by WESTON was conducted for this site.

CERCLIS LISTED SITE INVESTIGATION NEEDS

The purpose of assessment of sites listed in CERCLIS data base is to determine whether these sites are candidate for inclusion in the National Priority List (NPL). This determination is made using the Hazard Ranking System (HRS). Any site eligible for placement in NPL must at least have an overall score of 28.50. Additional investigation in the form of Screening Site Investigation (SSI) and/or Expedited Site Investigation (ESI) are conducted for those sites whose preliminary HRS Score is greater than 28.50. The site is scored or rescored after SSI and/or ESI to determine its eligibility for placement in NPL.

If the existing information supports the determination that additional investigation is not necessary, the site is designated as requiring no further remedial action (NFRAP). Sites can also be NFRAPed without scoring if the following conditions exist:

- No waste is present at the site.
- Site at which the only known or suspected releases to the environment are due to petroleum products.
- Site is regulated under RCRA.

SITE LOCATION

The site is located at the intersection of Lincoln and Jackson approximately 1/4 mile north of Winona Lake, adjacent to the Conrail tracks in an industrial area in Warsaw, Kousciusko County, Indiana (Section 9 of T. 32N., R 6E). A site location map is provided in Figure 1.

SITE HISTORY

The site is an active foundry which has been in operation since 1910. The facility is used to manufacture castings for refrigerator and air conditioner compressors using sand molds. There are three unlined surface impoundments, and a sludge drying bed on site. According to PA the foundry sand from this lagoon has been disposed on the Dalton site. The majority of water in the lagoon is recycled. The sludge in the lagoon is tested every two years for EP toxicity. The facility had problems with phenol in the past which had been corrected. The facility has been issued a permit to dispose of lagoon sludge and dust from dust collectors in an alternate monofill site. Under the permit, the facility is required to test the sludge using the EP toxicity leaching procedure and State of Indiana Leaching method.

During a windshield survey, a former employee observed a surface impoundment overflowing. The overflowing of the surface impoundment was caused due to malfunctioning of pump. The foundry also had a problem with blowing sand and dust contaminating a trailer park located on the east side of the building. The trailer park is no longer located on the east side of the site. However, there is still a problem with blowing sand for which the facility has received a violation notice.

A visit to the site was made by Ms. Wise of IDEM on 17 June 1991. A summary of her observation is included in Attachment 2.

The Dalton site has a NPDES permit to discharge non-contact cooling water to Winona Lake and Warsaw city permit to discharge to the city sewers.

SUMMARY

Based on the available information and lack of targets no sampling was done at the site.

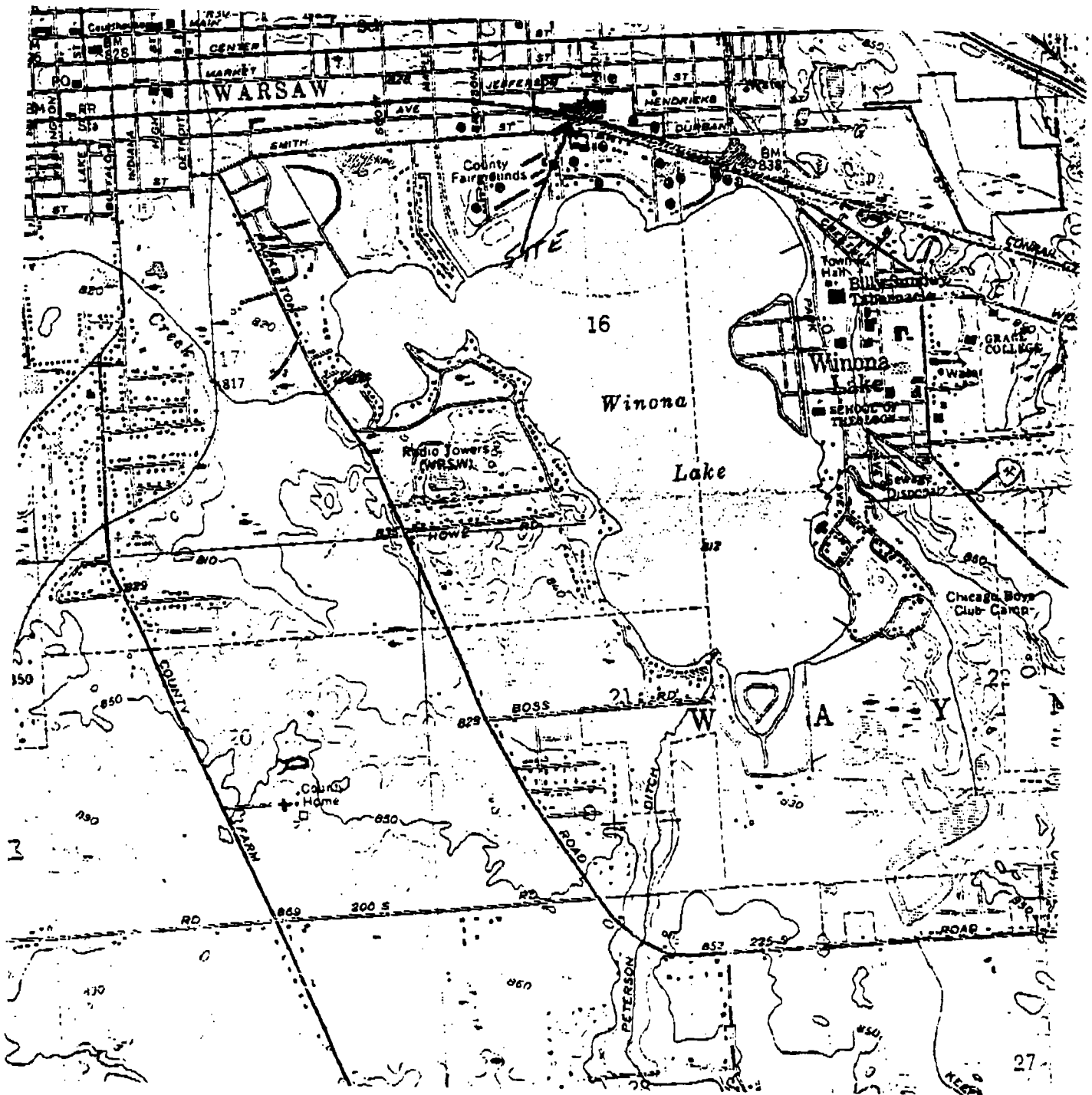


FIGURE 1
SITE LOCATION MAP
DALTON FOUNDRIES INC
WARSAW, INDIANA

ATTACHMENT 1

5E0301-AC102

GOP Med-3
SEP 1988
Pre-Report
X YES NO

CERCLIS EXECUTIVE SUMMARY

EPA ID# IND 005146022 OFF-SITE RECONNAISSANCE

Revised Company Name: _____

Original Company Name: Dalton Foundries

Alias Names: _____

Address Lincoln & Jefferson
Warsaw, IN 46580
Kosciusko County 85 County Code 01 Cong. Dist.

Coordinates: 41 14' 30" N Latitude 085 50' 00" Longitude
Warsaw Quadrangle

Landfill X Generator Treatment, Storage, Disposal (TSD)
Transporter Other:

PRIORITY ASSESSMENT: HIGH X MEDIUM NO FURTHER ACTION (NONE)

CLASS: X I-STATE LEAD II-REM/FIT LEAD
State Accompanies

State Comments:

This facility has been in operation since 1910. Foundry wastes from unlined lagoons apparently have been disposed on this site. Foundry sand is evident off-site and adjacent to the foundry. There is a significant potential for groundwater and air contamination. Dalton Foundry states that wastes do not leach. There are also 6 UST's (2 are used oil) that are 25 and 40 years old respectively. All wastes are now hauled off-site. At least 13,000 persons utilize well water at a private and public water supplies.

The State recommends that a high priority site inspection be performed to include waste, soil, sediment and groundwater sampling.

STATE INVOLVEMENT

C Preliminary Assessments C Screening Site Inspection
R Listing Site Inspection C Hazard Ranking System (HRS)

* COMPLETE DOCUMENTS (C) REVIEW DOCUMENTS (R)

Prepared by: Mary Anne Hunter MAN Phone: 317/232-8928 Date: 6/8/88
Reviewed by: Dawn E. Anderson
Activity Time: 40 Hours

6



SEP 1993
IDENTIFICATION
01 STATE 02 SITE NUMBER
Pre Ink editorial 6002

01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER			
Dalton Foundries, Inc.		Lincoln & Jefferson			
03 CITY		04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE
Warsaw		IN	46580	Kosciusko	085
09 COORDINATES		08 CONG DIST			
LATITUDE		01			
LONGITUDE		Warsaw Quad.			
41° 14' 30" N		085° 50' 00" W			
10 DIRECTIONS TO SITE (Starting from nearest public road)					
Sr 15 N to Jefferson public Street turn east. Site is approx. 1 mile to Jefferson & Lincoln St.					

01 OWNER (If known) Dalton Foundries, Inc.		02 STREET (Business, mailing, residential) P.O. Box 1388	
03 CITY Warsaw	04 STATE IN	05 ZIP CODE 465802	06 TELEPHONE NUMBER (219) 267-8111
07 OPERATOR (If known and different from owner) same as above		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()

13 TYPE OF OWNERSHIP (*Check one*):
☒ A. PRIVATE ☐ B. FEDERAL: _____ (*Agency name*) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
 ☐ F. OTHER: _____ (*Specify*) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (*Check all that apply*):
☒ A. RCRA 3001 DATE RECEIVED: 05-01-85 ☐ B. UNCONTROLLED WASTE SITE (RCRA 103-G) DATE RECEIVED: ____ / ____ / ____ ☐ C. NONE
 MONTH DAY YEAR MONTH DAY YEAR

01 ON SITE INSPECTION

☐ YES DATE 4 26 / 85
☒ NO MONTH DAY YEAR

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____
(Specify)

CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
<input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	1910 1 Present <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

sludges (toxic, persistent)

solids

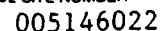
liquids unknown

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
groundwater (population, environment)
air
surface water unknown

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☒ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed. Complete current disposition form)

01 CONTACT Harry Atkinson		02 OF (Agency/Organization) IDEM/SHWM		03 TELEPHONE NUMBER '317' 232-8927	
04 PERSON RESPONSIBLE FOR ASSESSMENT Mary Anne Hunter <i>MAH</i>		05 AGENCY IDEM	06 ORGANIZATION SHWM	07 TELEPHONE NUMBER '317' 232-8928	08 DATE <u>06</u> / <u>8</u> / <u>88</u> MONTH DAY YEAR



- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IN 005146002

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 13,844

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

The nearest wells are 500 ft. to the north & south. Both city well fields are within 2 miles. Depth to the water table is less than 20 feet. Well depths vary from 30-155+ feet. Water levels are highly variable.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Drainage pattern is unknown. The foundry discharges cooling water & run-off to Winona Lake (a recreational use lake). Company has an NPDES permit. Permit requirements do not include sampling for any hazardous constituent.

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: 12,000

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☒ ALLEGED

04 NARRATIVE DESCRIPTION

Fumes & blowing particulate matter were obvious during the windshield survey Foundry sand can be seen in the residential area to the north & east.

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

None documented.

01 ☒ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: 3,000

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Site is fenced. However foundry materials are visible off-site (see C)

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 1
(Acres)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

No samples of the soil have been taken. The settling pond may be 8 feet deep. There is one settling pond. There is also a sand/slag dump. Two used oil UST's and a dust sludge drying area. are also present.

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 13,844

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Residents in the immediate area are on city water. Most residents to the north east & south utilize private water.

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: 300

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

None

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: 13,844

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

See A, B, C.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IN 005146002

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None known

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None known

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None. Nearest farm is approx. 1 mile distant. See attachment for irrigation.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoffs/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: 2-24-88) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

A lagoon was overflowing during the windshield. Waste piles & lagoons have no liners. Piles are uncovered.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED

Foundry sand is obvious in the nearby trailer park.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

Most wastewater goes to the city sewer.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

Dumping of scrubber waste, sand & slag is not authorized.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 12,000

IV. COMMENTS

TSCA violations in 1984. Previous state analytical work is inadequate & generally unusable.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

See document log.

ATTACHMENT 2

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

INDIANAPOLIS

OFFICE MEMORANDUM

DATE: June 17, 1991

TO: Boggs Dump and Dalton Foundries, Files 3B THRU: Kosciusko County

Harry E. Atkinson *HEA 6/28*

FROM: Dana Reed Wise *DRW 6/25*
Site Investigation Section

SUBJECT: Site Visits

On Friday June 7, 1991, I made site visits to the above mentioned sites. Ms. Michele Anderson, IDEM, and Mr. Jon Cupp from the Kosciusko County Health Department accompanied me.

Boggs Dump is part of the Boggs Industrial Park. It is located on the west side of Warsaw, approximately 1/4 mile west of a well field. The site is also adjacent to Walnut Creek. Consisting of approximately 20 acres, the site is owned by the city of Warsaw (the preliminary assessment completed by Mary Anne Hunter 6/12/88, states the site consists of 117 acres). According to Jon Cupp, the city claims it is using the land for composting. Instead, it is becoming an open dump. He wasn't sure exactly what was disposed in the dump, but most likely sewage sludge and possibly foundry sand and glass wastes. The site was a swampy area prior to being filled. The site was covered with trash, yard debris and yellow plastic trash drums. An SSI workplan is being developed.

Dalton Foundries Inc. is located 1/4 mile north of Winona Lake, adjacent to the Conrail tracks in Warsaw in an industrial area. The company was placed in CERCLIS because foundry sand was placed in unlined surface impoundments; one surface impoundment was observed overflowing, and the potential for foundry sands to leach heavy metals and phenols.

Mr. Jim Corbett, operations director, represented Dalton Foundries. He gave me a tour of the facility, the three surface impoundments and the waste sludge drying beds. The facility manufactures molds for refrigerator and air conditioner compressors from sand. The facility has an NPDES permit to discharge non-contact cooling water to Winona Lake and a Warsaw city permit to discharge to the city sewers. Warsaw Plating, located across the street from Dalton (north) also discharges to Winona Lake through the same field tile. The majority of the water in the lagoons is recycled. Mr. Corbett and Mr. Cupp stated that the sand has been tested on numerous occasions, but no heavy metals were detected at high levels. The sludge from the lagoons is tested every two years by the EP toxicity method. The facility has had trouble with phenols in the past that have since been corrected. Furthermore, the trailer park that was located just west of the foundry has been closed. The facility was recently issued a solid waste permit to dispose of its lagoon sludge and fines from the dust collectors in an alternate monofill site. At this time, there does not appear to be a need for CERCLA involvement.